

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208173

Luminaire Tested: UPW-SA1-040-827-U-5NQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-827-U-5NQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4628 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

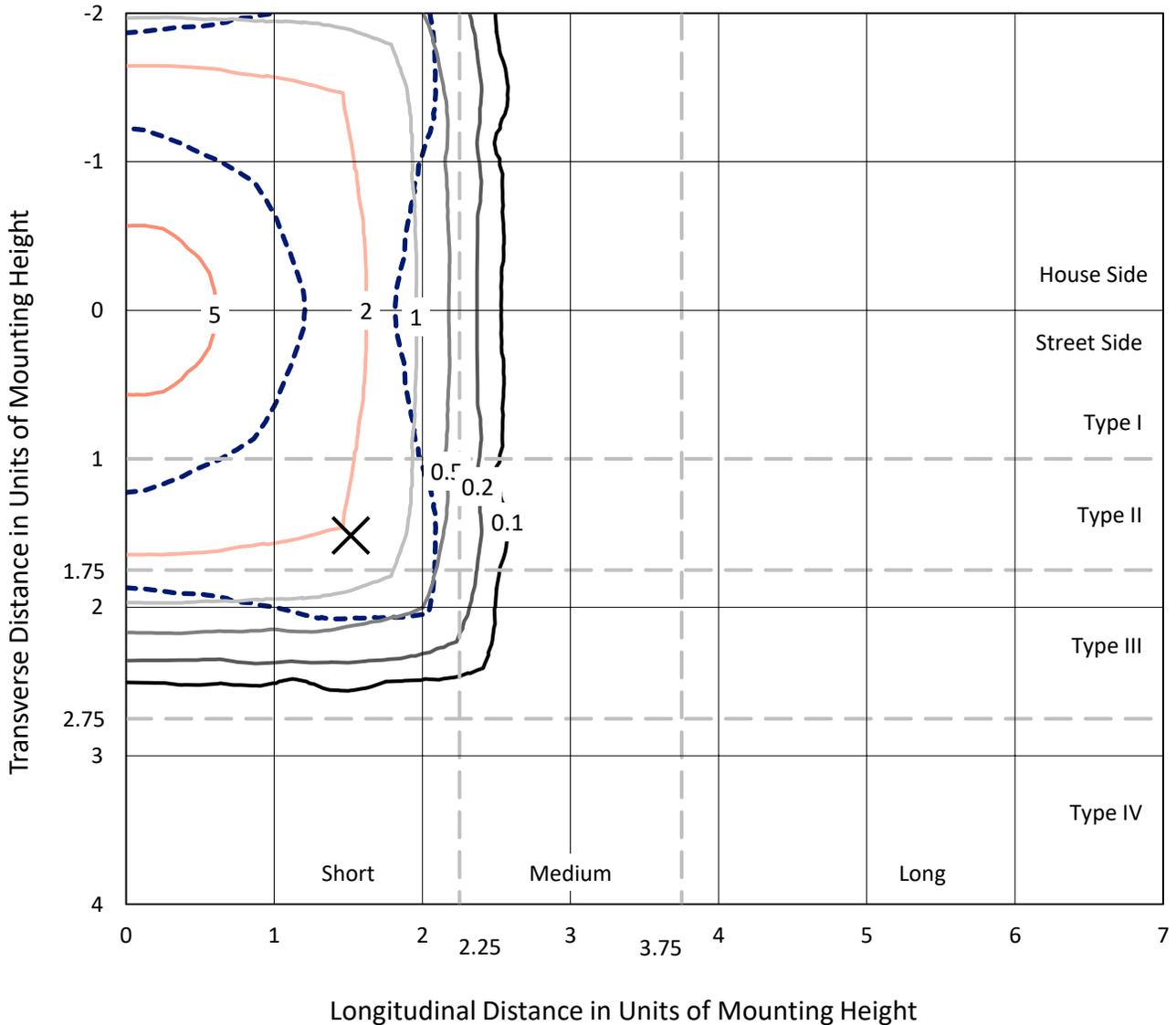
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

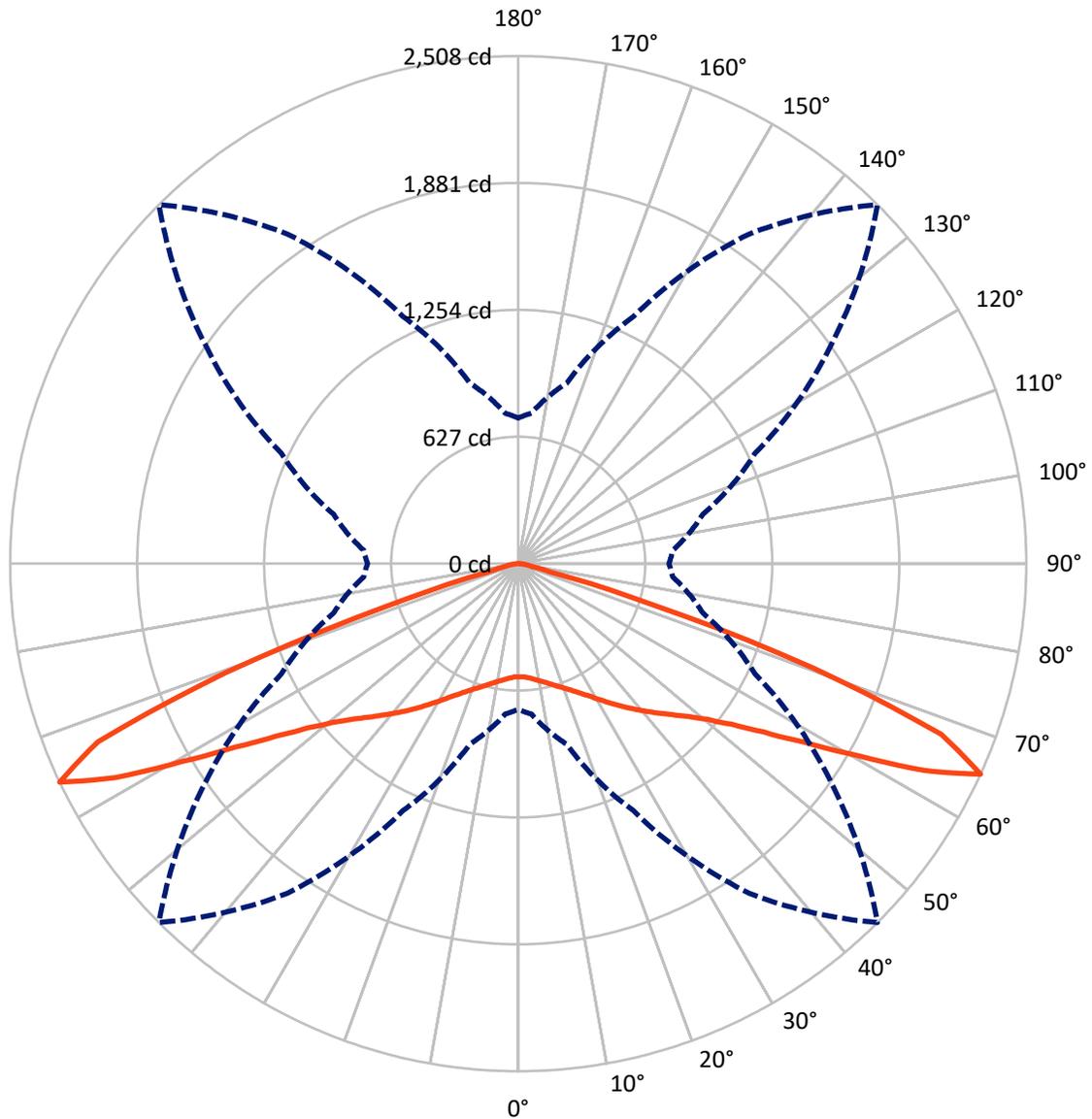
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

REPORT NUMBER: P1208173
CATALOG NUMBER: UPW-SA1-040-827-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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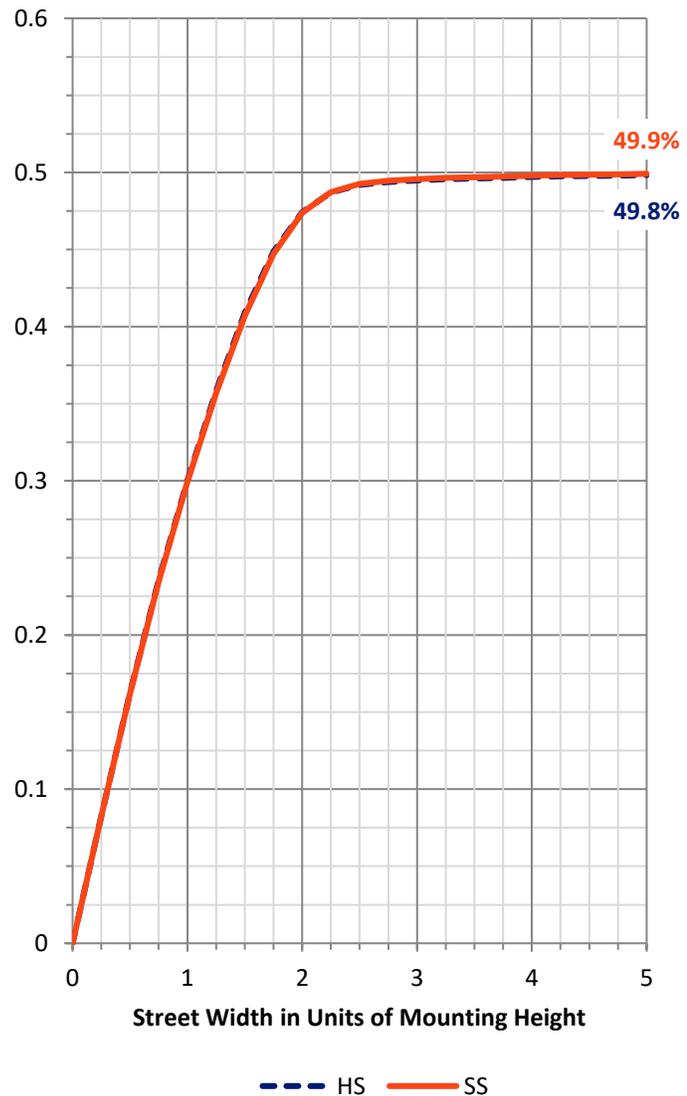
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2314.0	0.0	2314.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2314.0	0.0	2314.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4628.0	0.0	4628.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	1.2
10°-20°	176.3	3.8
20°-30°	330.7	7.1
30°-40°	546.9	11.8
40°-50°	847.1	18.3
50°-60°	1299.1	28.1
60°-70°	1212.2	26.2
70°-80°	141.1	3.0
80°-90°	19.8	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4628.0	100.0
0°-180°	4628.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1208173

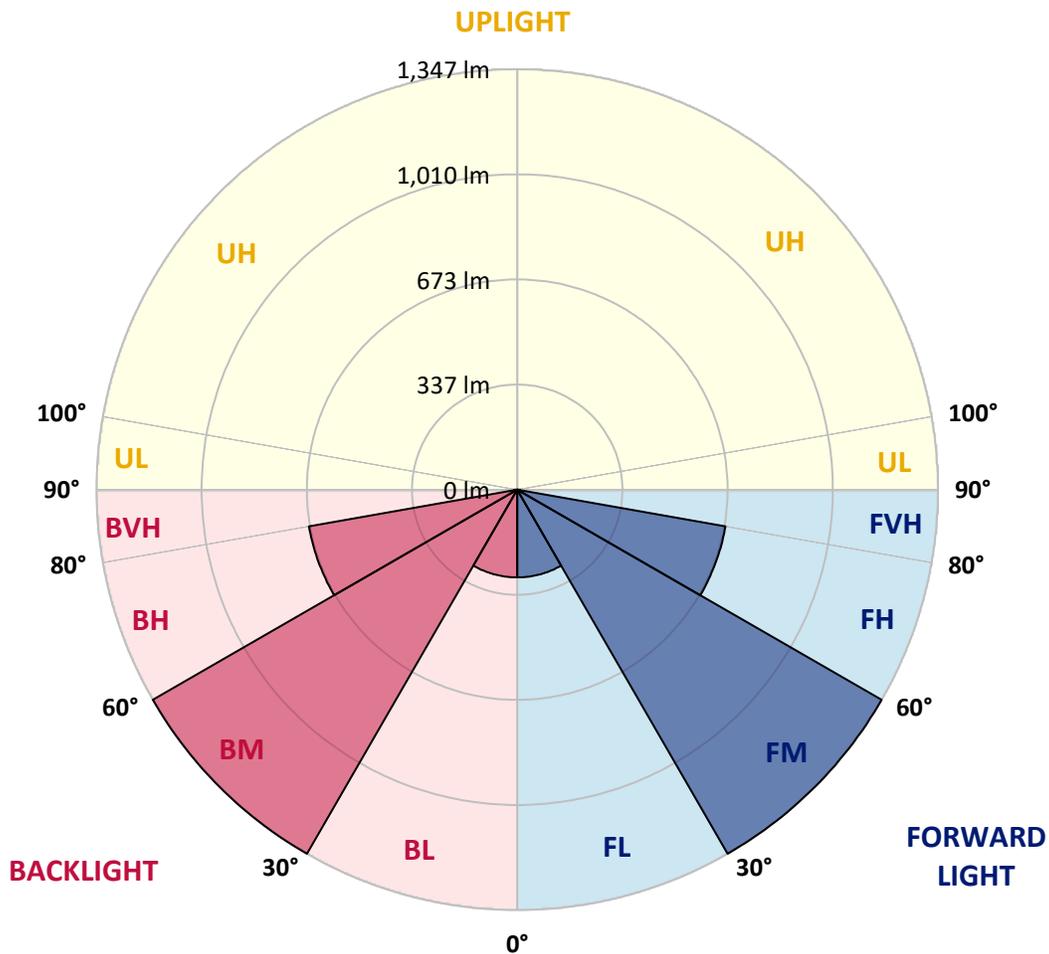
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	280.9	6.1			
FM	(30°-60°)	1346.5	29.1			
FH	(60°-80°)	676.7	14.6			G1/1800
FVH	(80°-90°)	9.9	0.2			G0/10
BL	(0°-30°)	280.9	6.1	B1/500		
BM	(30°-60°)	1346.5	29.1	B2/2500		
BH	(60°-80°)	676.7	14.6	B2/1000		G1/1800
BVH	(80°-90°)	9.9	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	558.9	558.9	558.9	558.9	558.9	558.9	558.9	558.9	558.9	558.9	558.9
2.5°	560.7	560.4	560.7	560.9	560.0	560.4	560.3	561.0	561.3	561.0	561.0
5°	567.2	566.7	567.3	568.1	566.9	567.2	566.7	567.6	568.0	567.3	567.8
7.5°	576.1	576.2	576.9	578.2	577.5	578.1	577.2	577.3	577.2	576.2	576.4
10°	585.8	585.9	587.0	588.8	589.2	589.2	588.5	588.1	587.5	586.8	587.0
12.5°	597.4	598.2	599.0	601.3	601.3	602.5	602.2	601.0	599.9	599.0	599.0
15°	613.3	613.1	614.0	616.3	617.4	619.4	619.4	617.7	616.3	615.4	615.1
17.5°	629.9	630.3	630.9	633.7	635.4	637.7	638.0	636.6	635.7	634.5	633.7
20°	649.2	650.0	652.4	653.5	655.1	657.2	658.0	657.7	656.7	656.1	656.3
22.5°	671.8	673.8	675.3	676.9	678.7	680.3	681.0	682.1	681.2	680.7	680.4
25°	699.1	700.5	703.6	706.4	707.6	708.1	709.0	710.5	710.4	709.3	709.3
27.5°	730.2	732.8	736.6	740.6	740.6	739.1	742.2	744.8	743.9	742.5	740.6
30°	767.8	770.3	774.7	780.3	777.5	776.4	780.6	785.3	784.0	781.6	781.3
32.5°	808.4	810.7	816.5	822.5	819.0	817.4	821.9	828.8	826.4	821.7	819.0
35°	852.3	854.6	862.9	870.1	864.1	861.5	865.2	872.7	868.4	859.8	857.7
37.5°	900.1	901.3	912.1	919.4	915.3	908.4	913.0	918.5	914.8	904.4	900.2
40°	949.7	954.2	966.6	975.2	968.0	957.1	964.8	972.4	966.9	953.6	946.5
42.5°	1007.6	1011.0	1027.6	1035.3	1023.6	1008.2	1018.7	1029.1	1023.6	1010.7	1004.6
45°	1067.9	1073.1	1092.9	1100.6	1083.7	1064.2	1076.9	1095.2	1094.7	1076.1	1069.7
47.5°	1133.4	1138.7	1162.3	1172.5	1154.2	1128.1	1146.0	1171.9	1170.0	1149.6	1144.4
50°	1209.2	1214.7	1244.2	1257.0	1239.9	1209.5	1236.5	1259.3	1255.9	1230.7	1231.2
52.5°	1304.3	1304.0	1340.7	1362.8	1345.3	1318.4	1343.3	1365.4	1351.4	1316.6	1315.5
55°	1387.5	1392.6	1438.1	1480.0	1479.0	1468.7	1478.6	1479.6	1439.6	1393.2	1387.5
57.5°	1442.2	1451.9	1516.0	1591.9	1648.7	1662.4	1643.0	1584.3	1490.8	1416.6	1407.5
60°	1408.6	1423.3	1524.0	1678.7	1846.1	1926.5	1817.2	1635.2	1451.0	1347.6	1335.3
62.5°	1181.5	1206.4	1353.7	1636.7	2016.0	2250.9	1943.5	1553.6	1292.8	1150.3	1129.3
65°	719.6	745.9	923.4	1347.1	1988.5	2507.8	1885.9	1289.5	943.6	766.4	743.7
67.5°	239.8	247.5	352.1	744.6	1562.8	2253.2	1565.4	772.0	410.6	272.2	264.2
70°	93.9	94.6	111.7	215.8	738.0	1547.6	814.4	219.7	116.8	92.3	94.3
72.5°	69.0	69.3	74.0	90.2	192.3	681.8	199.3	90.6	72.1	64.7	64.7
75°	55.5	55.5	58.8	65.8	86.2	156.4	87.4	65.0	56.4	51.6	51.0
77.5°	43.8	44.7	47.3	51.8	58.4	75.3	60.5	51.5	45.5	41.0	40.1
80°	32.6	33.5	37.8	39.9	41.9	52.2	44.7	40.2	35.9	30.7	29.8
82.5°	21.4	22.3	27.7	28.9	28.4	34.1	30.1	29.6	26.4	19.8	18.9
85°	14.0	14.3	18.4	19.2	17.7	15.5	19.2	20.3	18.4	12.9	12.4
87.5°	6.6	6.6	9.4	8.8	8.0	6.5	8.8	10.3	10.4	6.3	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)